Table 1. Sediment trap deployment locations and characteristics.

Side	Location	Latitude	Longitude	Substrate	Reef	Depth (m)	Benthic sediment composition		
							%Organic	%Carbonate	%Terrigenous
North	1A	-14.29001	-170.68153	Sand/mud	backreef	1	4	81	15
North	1B	-14.28937	-170.67921	Coral	reef flat	1	5	82	13
North	1C	-14.28838	-170.67804	Coral	forereef slope	10	5	82	13
North	2A	-14.29179	-170.68196	Sand/mud	backreef	1	4	31	65
South	2B	-14.29149	-170.67992	Coral	backreef pools	2	-	-	-
North	2C	-14.28989	-170.67663	Coral	forereef slope	15	5	82	13
South	3A	-14.29269	-170.67896	Coral	reef flat	1	4	88	8
South	3B	-14.29364	-170.67710	Coral	reef flat	2	4	88	8
South	3C	-14.29268	-170.67545	Coral	forereef slope	10	-	-	-

C:\Users\Alex\Documents\GitHub\Fagaalu-Sedimentation\Data\Deployment table\SedPod_Deployment.xlsx

Table 2. Spearman correlation coefficients for Sedimentation vs. SSY, and Sedimentation vs. Waves.

	Total	Terrigenous	Terrigenous+Organic	Carbonate
P1A				w: 0.721
P1B	w: -0.617	w: -0.633	w: -0.633	
P1C				
P2A			w: -0.527	
P2B				
P2C				
P3A				
P3B	w: -0.806			
P3C				
North_Pods			ssy:-0.573	
South_Pods				
T1A	w: 0.600			w: 0.717
T1B	w: 0.750			w: 0.833
T1C	w: 0.973	w: 0.682	w: 0.755	w: 0.945
T2A	ssy:0.555			ssy:0.545
T2B				ssy:0.629
T2C	w: 0.936			w: 0.952
T3A	w: 0.900	w: 0.545	w: 0.564	w: 0.873
T3B	w: 0.891			w: 0.955
T3C		ssy:-0.627	ssy:-0.573	
North_Tubes	w: 0.700			w: 0.818
South_Tubes	w: 0.864		w: 0.545	w: 0.927

Table 3. Significant P-values for multiple regression of Sedimentation ~ SSY + Waves.

	Total	**Terrigenous**	**Terrigenous+Organic**	**Carbonate**
P1A				
P1B				
P1C				
P2A				
P2B				
P2C				
P3A				
P3B				
P3C				
North_Pods				
South_Pods				
T1A				
T1B	w^*			w^{**} ssy$^+$
T1C	w^*	w^+	w^*	w^*
T2A	ssy***	ssy***	ssy***	ssy$^+$
T2B				ssy$^+$
T2C	w^*		w^+	w^*
T3A				
T3B				
T3C	w^+ ssy$^+$			w^* ssy$^+$
North_Tubes				w^+
South_Tubes				